|   |                      |          |  |           |          |          |           |          |          |          |   |            |                        | 10       | 10/784,929 |          |          |           |          |           |              |          |           |     | NAKA ET AL. |            |          |                   |            |                     |                 |          |                    |           |   |
|---|----------------------|----------|--|-----------|----------|----------|-----------|----------|----------|----------|---|------------|------------------------|----------|------------|----------|----------|-----------|----------|-----------|--------------|----------|-----------|-----|-------------|------------|----------|-------------------|------------|---------------------|-----------------|----------|--------------------|-----------|---|
|   |                      |          |  |           |          |          |           |          |          |          |   |            |                        |          | Examiner   |          |          |           |          |           |              |          |           |     |             | Art Unit   |          |                   |            |                     |                 |          |                    |           |   |
|   |                      |          | Quan Tra                               |           |          |          |           |          |          |          |   |            |                        |          |            |          |          |           | 2816     |           |              |          |           |     |             |            |          |                   |            |                     |                 |          |                    |           |   |
|   |                      |          | √ Rejected – (Through numera Cancelled |           |          |          |           |          |          |          |   |            |                        |          |            |          | al)      |           |          | N         | Non-Elected  |          |           | ted |             | A          | Appeal   |                   |            |                     |                 |          |                    |           |   |
|   |                      | = Allowe |  |           |          |          |           | <u>+</u> |          |          |   | Restricted |                        |          |            | d        |          |           |          | 1         | Interference |          |           |     | 0           | Objec      |          |                   | ted        |                     |                 |          |                    |           |   |
|   | Cla                  | aim _    | L                                      | Date      |          |          |           |          |          |          |   | Claim      |                        |          |            |          | Date     |           |          | е .       |              |          |           | CI  | aim         |            | Date     |                   |            |                     | —               | _        |                    |           |   |
|   | -                    | ıai      | 35                                     |           |          |          |           |          |          |          |   |            |                        | lal      |            |          |          |           |          |           |              |          |           |     |             | 1          |          |                   |            |                     |                 | Т        |                    |           |   |
|   | Final                | Original | 4/18/05                                |           |          | -        |           |          |          |          |   |            | Final                  | Original |            |          |          |           |          |           |              |          |           |     | Final       | Original   |          |                   |            |                     |                 |          |                    |           |   |
|   |                      | 1        | +                                      |           |          |          |           |          |          |          |   |            |                        | 51       |            |          |          |           |          |           |              |          |           |     |             | 101        |          |                   |            |                     |                 | 士        | 1                  |           |   |
|   | $\vdash \vdash \mid$ | 3        | +                                      |           | L        | _        | Н         | $\vdash$ |          |          | L |            | <u> </u>               | 52<br>53 | Ш          | _        |          | 4         | 4        | _         | 4            | _        |           |     |             | 102        |          | 4                 | <u>. </u>  |                     |                 | $\dashv$ | $\dashv$           | _         |   |
|   |                      | 4        | +                                      |           | _        | $\vdash$ | H         | H        | Н        |          | - |            |                        | 54       | $\vdash$   | Н        | -        | $\dashv$  | $\dashv$ |           | $\dashv$     |          |           |     |             | 103        | +        | +-                | ╁          | H                   | Н               | $\dashv$ | +                  | _         |   |
|   |                      | 5        | ÷                                      |           |          |          |           |          |          |          |   |            |                        | 55       |            |          |          |           |          |           |              |          |           |     |             | 105        |          |                   | T          |                     |                 | 十        | $\forall$          | ᅥ         |   |
|   |                      | 6        | +                                      |           |          | L        |           |          | Ш        |          | _ |            |                        | 56       | <u> </u>   |          |          | _         |          | _         |              |          |           |     |             | 106        |          |                   |            | Ι.,                 | П               | $\Box$   | $\supset$          |           |   |
|   |                      | 7<br>8   | +                                      | _         |          |          | Н         |          |          |          | ┝ | l          |                        | 57<br>58 |            | -        |          | +         | -        | -         | -            | _        |           |     |             | 107<br>108 | $\vdash$ | +                 | ╁          | ⊢                   | $\vdash$        | $\dashv$ | $\dashv$           | $\dashv$  |   |
|   |                      | 9        | +                                      |           |          |          |           |          | $\Box$   |          |   |            |                        | 59       | <u> </u>   |          | $\dashv$ | +         | _        | 1         | 7            |          | $\dashv$  |     |             | 108        | $\vdash$ | ╁                 | +-         | H                   | $\vdash \vdash$ | +        | +                  | $\dashv$  |   |
|   |                      | 10       | +                                      |           |          |          |           |          | $\Box$   |          |   |            |                        | 60       |            |          |          | 1         |          |           |              |          |           |     |             | 110        |          |                   |            |                     |                 | ユ        | 1                  |           |   |
|   |                      | 11<br>12 | +                                      | _         |          |          | H         |          |          |          | L |            |                        | 61       | Ш          |          | -        |           | 4        | _         | _            | _        | $\dashv$  |     |             | 111        | Н-       | 4                 | $\perp$    | Ш                   | $\sqcup$        | _        | $\dashv$           | _         |   |
|   |                      | 13       | +                                      | -         |          |          | Н         |          | $\dashv$ | _        |   |            | _                      | 62<br>63 | H          | $\dashv$ | -        | -         |          | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$  |     |             | 112<br>113 | $\vdash$ | +                 | -          |                     | $\dashv$        | +        | $\dashv$           | ᅱ         |   |
|   |                      | 14       | +                                      |           |          |          |           |          |          |          |   |            |                        | 64       | Н          | H        | $\neg$   |           | $\dashv$ | +         | $\dashv$     | $\neg$   |           |     |             | 114        | +        | +                 | +          | H                   | $\dashv$        | 十        | +                  | $\dashv$  |   |
|   |                      | 15       | +                                      |           |          |          |           |          |          |          |   |            |                        | 65       |            |          |          |           |          | _         | $\Box$       |          |           |     |             | 115        |          |                   |            |                     |                 |          | コ                  |           |   |
|   | $\vdash$             | 16<br>17 | +                                      |           |          | H        | Н         | $\dashv$ |          |          | - |            | <u> </u>               | 66<br>67 | <u> </u>   |          | 4        | -         | _        | $\dashv$  | 4            |          | _         |     |             | 116        | $\vdash$ | _                 | 1          | _                   | $\perp$         | $\dashv$ | $\dashv$           | 4         |   |
|   |                      | 18       |  | _         | -        |          | Н         |          |          |          | ┢ |            |                        | 68       | Н          | $\dashv$ | $\dashv$ | $\dashv$  | _        | $\dashv$  | $\dashv$     |          | _         |     |             | 117<br>118 | ۲.       | +                 | ╁╾         | $\vdash$            | $\dashv$        | +        | +                  | ┥         |   |
|   |                      | 19       |  |           |          |          |           |          |          |          |   |            |                        | 69       |            |          |          |           |          |           |              | _        |           |     |             | 119        |          | +-                | +          | $\vdash$            | $\vdash$        | 十        | +                  | ┪         |   |
|   |                      | 20       |  | _         | Щ        | <u> </u> |           |          | $\Box$   |          | _ |            |                        | 70       |            |          |          | _[        | $\Box$   | $\Box$    | $\Box$       |          |           |     |             | 120        |          |                   |            |                     |                 | $\perp$  | ユ                  |           |   |
|   | $\vdash$             | 21<br>22 |  | -         |          |          | Н         |          |          |          | _ |            | <u> </u>               | 71<br>72 | Н          | $\dashv$ |          | +         | -        | $\dashv$  | 4            | -        | $\dashv$  |     |             | 121<br>122 |          | +-                | $\vdash$   | Н                   | -               | $\dashv$ | $\dashv$           | 4         |   |
|   |                      | 23       |  |           |          | -        | Н         |          | $\dashv$ |          | _ |            | <u> </u>               | 73       | Н          |          |          | $\dashv$  | -        | $\dashv$  | -            | $\dashv$ | _         |     |             | 123        | +        | +                 | +          | -                   | $\vdash$        | +        | +                  | $\dashv$  |   |
|   |                      | 24       |  |           |          |          |           |          |          |          |   |            |                        | 74       |            |          |          |           |          |           | $\exists$    |          | $\dashv$  |     |             | 124        |          | ╁                 | t          | $\vdash$            | $\dashv$        | $\dashv$ | +                  | ٦         |   |
|   |                      | 25       | $\Box$                                 | _         |          | L        |           | $\Box$   |          |          |   |            |                        | 75       |            |          | $\Box$   |           | _        | $\Box$    |              |          |           |     |             | 125        |          |                   |            |                     |                 | $\perp$  | コ                  | コ         |   |
| : | $\vdash$             | 26<br>27 | $\dashv$                               | $\dashv$  | _        | Н        | $\vdash$  | $\dashv$ | -        | _        |   |            | _                      | 76<br>77 | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | +         | -            | $\dashv$ | _         |     |             | 126        | $\vdash$ | +                 | ┿          | Н                   | 4               | 4        | 4                  | 4         |   |
|   |                      | 28       |  | $\exists$ |          | Н        |           | $\dashv$ |          |          |   |            |                        | 78       | H          | $\neg$   | _        | $\dashv$  | +        | +         | 1            | $\dashv$ | ᅱ         |     |             | 127<br>128 | +        | +                 | ╁╌         | $\vdash$            | -               | +        | +                  | $\dashv$  |   |
|   |                      | 29       |  |           | •        |          |           |          |          |          |   |            |                        | 79       |            |          |          |           |          |           |              |          |           |     |             | 129        |          |                   | †          |                     |                 | $\top$   | 十                  | _         |   |
|   |                      | 30<br>31 | $\dashv$                               |           | _        | _        | $\vdash$  |          |          | _        |   |            |                        | 80       |            |          | $\dashv$ | $\dashv$  | 4        | 4         | 4            | 4        | _         |     |             | 130        | 4        | _                 | 1          |                     |                 | $\perp$  | ightharpoons       | $\Box$    |   |
|   |                      | 32       | _                                      | $\dashv$  |          | Н        | $\vdash$  | $\dashv$ |          |          |   |            |                        | 81<br>82 |            | $\dashv$ | $\dashv$ | +         | $\dashv$ | -         | +            | $\dashv$ | ᅱ         |     |             | 131<br>132 | -  -     | +-                | +          | $\vdash$            |                 | +        | +                  | $\dashv$  |   |
|   |                      | 33       |  |           |          |          |           |          |          |          |   |            |                        | 83       |            |          | ╛        | $\top$    |          | $\exists$ |              |          | $\exists$ |     |             | 133        |          | $\top$            | 1          |                     | $\dashv$        | +        | +                  | ╛         |   |
|   |                      | 34       |  | 4         | $\dashv$ | _        | $\square$ |          |          | _        |   |            |                        | 84       | Ш          |          |          |           |          | $\Box$    | $\Box$       | $\Box$   |           |     |             | 134        |          |                   |            |                     |                 | 1        | ユ                  |           | - |
|   |                      | 35<br>36 |  | $\dashv$  | $\dashv$ | Н        | $\vdash$  | -        |          | $\dashv$ |   |            |                        | 85<br>86 | $\vdash$   |          | $\dashv$ | +         | -        | +         | $\dashv$     | $\dashv$ | $\dashv$  |     |             | 135        | _        | +-                | +          | $\square$           | $\dashv$        | 4        | 4                  | _         |   |
|   |                      | 37       |  | 7         | $\dashv$ |          | $\vdash$  | $\dashv$ | $\neg$   | ᅥ        |   |            |                        | 87       | $\vdash$   |          | $\dashv$ | ┰┼        | $\dashv$ | $\dashv$  | $\dashv$     | -        |           |     |             | 136<br>137 |          | +-                | +          | $\vdash$            | $\dashv$        | $\dashv$ | +                  | $\dashv$  |   |
|   |                      | 38       |  |           |          |          |           |          |          |          |   |            |                        | 88       |            |          |          |           |          |           |              |          |           |     |             | 138        |          |                   | $\top$     |                     | 7               | 十        | +                  | ┪         |   |
|   |                      | 39<br>40 | _                                      | _         | 4        |          | $\sqcup$  | _        | _        | _        |   |            |                        | 89       | Ц          | $\dashv$ | _]       | $\bot$    | $\dashv$ | $\prod$   | $\Box$       | 耳        | $\Box$    |     |             | 139        |          | L                 | oxdapsilon | П                   | $\Box$          | 工        | $oldsymbol{\perp}$ | $\Box$    |   |
|   | $\vdash$             | 41       | -                                      | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |   |            | $\vdash \vdash \vdash$ | 90<br>91 | dash       | -        |          | +         | $\dashv$ | $\dashv$  | 4            | $\dashv$ | $\dashv$  |     |             | 140<br>141 | +        | +                 | ╀          | $\vdash \downarrow$ | $\dashv$        | +        | +                  | $\dashv$  |   |
|   |                      | 42       |  |           |          |          |           |          | _ †      |          |   |            |                        | 92       |            | +        | $\dashv$ | +         | +        | $\dashv$  | +            | +        | $\dashv$  |     |             | 142        | +        | +                 | +          | $\vdash$            | +               | +        | +                  | $\dashv$  |   |
|   |                      | 43       | $\Box$                                 | $\Box$    | $\Box$   |          | $\Box$    | $\Box$   | $\Box$   | コ        |   |            |                        | 93       |            | $\Box$   | $\Box$   | I         |          |           | 1            |          |           |     |             | 143        |          | 上                 |            |                     | 士               | 士        | 士                  | $\exists$ |   |
| } | -                    | 44<br>45 | $\dashv$                               |           | $\dashv$ | _        | $\dashv$  | $\dashv$ | 4        | 4        |   |            |                        | 94       | Ц          | 4        | _[       | -         | 4        | 4         | 4            |          | $\dashv$  |     |             | 144        | _[       | $oldsymbol{\Box}$ |            | П                   | $\bot$          | 工        | Ţ                  | $\exists$ |   |
|   |                      | 46       | $\dashv$                               | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -        | - |            | -                      | 95<br>96 | $\dashv$   | $\dashv$ |          | +         | $\dashv$ | +         | $\dashv$     | $\dashv$ | $\dashv$  |     |             | 145<br>146 |          | +                 | +-         | $\vdash$            | +               | +        | +                  | $\dashv$  |   |
|   |                      | 47       |  | ╛         |          |          | J         | ╛        | 丁        | _        |   |            |                        | 97       | Ħ          | 7        | 7        | $\dagger$ | $\dashv$ | $\dashv$  | $\dashv$     | +        | $\dashv$  | ŀ   |             | 147        | $\dashv$ | ╁                 | +          | H                   | +               | +        | +                  | $\dashv$  |   |
| [ | $\Box$               | 48       | 耳                                      | J         | I        | $\Box$   | $\Box$    | $\Box$   |          |          |   |            |                        | 98       |            |          |          |           |          |           |              | $\Box$   |           |     |             | 148        |          | $\top$            | T          | П                   | $\dashv$        | 十        | 十                  | ┪         |   |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination